



**Institute of Transport Studies (Monash)**  
The Australian Research Council Key Centre in Transport Management

**Institute of Transport Studies, Monash  
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World Transit Research Newsletter

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4-2018

# World Transit Research April 2018 Newsletter

Institute of Transport Studies Monash University

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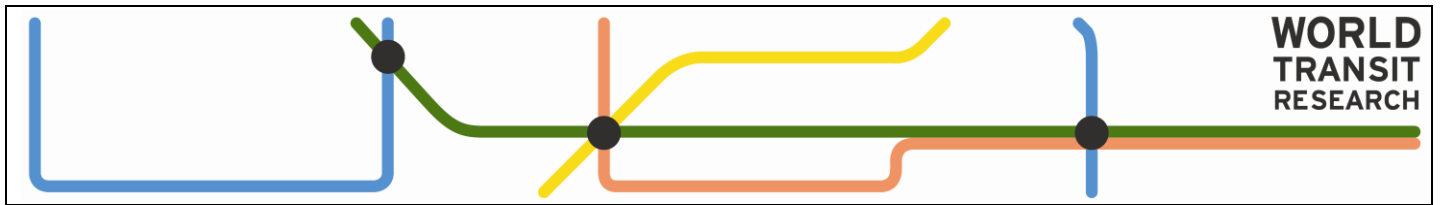
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**MONASH** University



## World Transit Research

### April 2018 Newsletter

<http://www.worldtransitresearch.info>

Welcome to the WORLD TRANSIT RESEARCH (WTR) clearinghouse newsletter. This newsletter, which is published bi-monthly, summarises new research published in the field which has been added to the World Transit Research clearinghouse research database.

WTR is now used by public transport researchers in over 8,000 cities and towns in 170 countries worldwide.

#### **BACKGROUND**

World Transit Research (WTR) is designed to help public transport practitioners and researchers get easier access to quality research in the field of public transport planning. WTR is a free repository of research papers, reports, research abstracts and links to research findings from leading research journals indexed and searchable to ensure easier access to topics of interest. The site is developed and run by the [Public Transport Research Group](#) at the Institute of Transport Studies, Monash University. The clearinghouse performs the following functions:

- Search/Find – The database is searchable on key words and also via a list of subject areas
- Newsletter Subscription – Those accessing the website can enrol in a free email newsletter. This broadcasts new publications in the field every 2 months
- Links – links to relevant associated sites are provided
- Submit Research – Researchers can use the website to suggest items for inclusion in the database. Copyright requirements are described.

#### **NEWSLETTER**

Your recommendation can help grow our number of subscribers. Do you know someone interested in public transport research that would like to receive this newsletter? Ask them to go to <http://www.worldtransitresearch.info/> and enter their email address in the box provided under Newsletter.

#### **NEW ADDITIONS**

World Transit Research clearinghouse now includes some 6,821 research reports/papers. Some 75 published papers have been added. The new ones are listed in the attached table. In addition new journals and relevant papers are also occasionally added from previous publication records.

#### **CONTRIBUTE YOUR RESEARCH AND INCREASE YOUR CITATIONS**

Should you have any relevant papers that you think should be included in this repository, please log on to [www.worldtransitresearch.info](http://www.worldtransitresearch.info) and click on the Submit Research icon. The WTR Clearinghouse is a very effective tool to increase author citations of research since it acts to publicise your research to those interested in this field.

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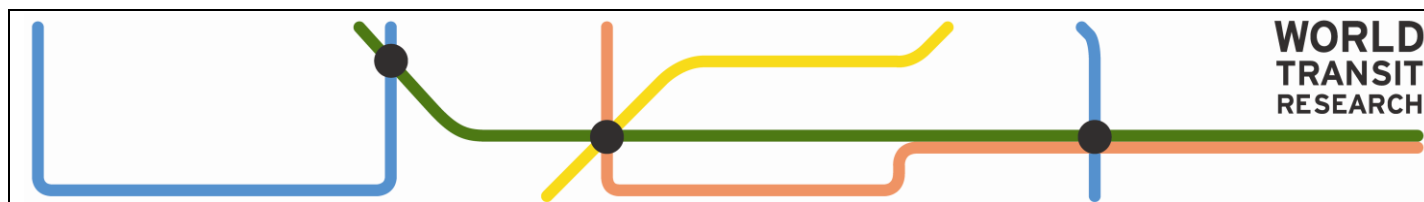
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#### **SUGGESTIONS WELCOMED**

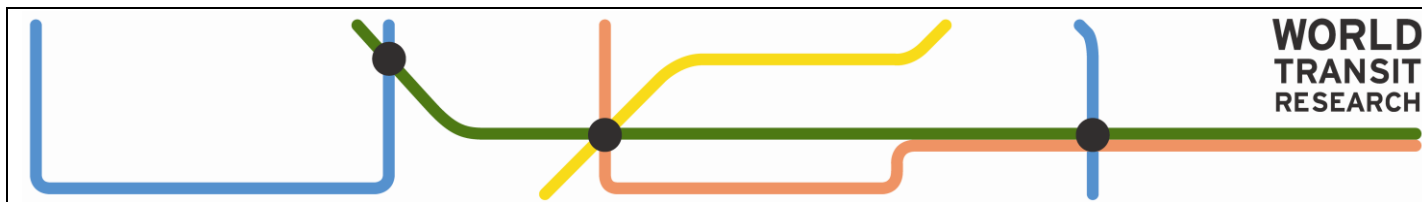
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Wendy Walker  
Research Clearing House Manager  
Monash University, Australia  
[enquiries@worldtransitresearch.info](mailto:enquiries@worldtransitresearch.info)  
PH +61 4 4733 9771 Fax: +61 3 9905 4944

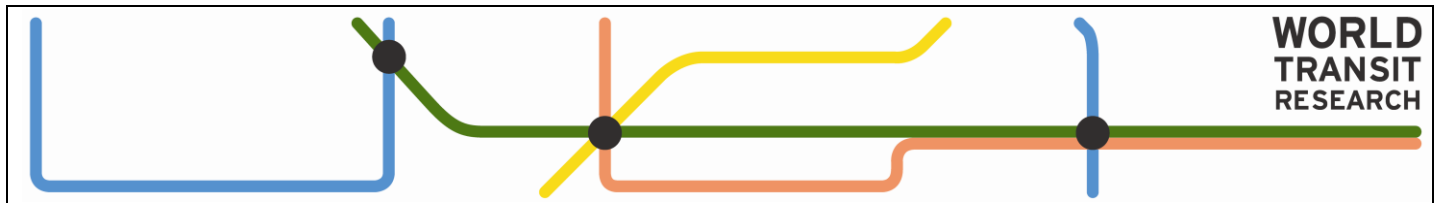


## WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
H Cheng, C Mao, S Madanat, A Horvath	<a href="#">Minimizing the total costs of urban transit systems can reduce greenhouse gas emissions: The case of San Francisco*</a>	Planning
Y Chen, B Yi, Y Jiang, J Sun, M Wahab	<a href="#">Inter-arrival time distribution of passengers at service facilities in underground subway stations: A case study of the metropolitan city of Chengdu in China*</a>	Planning
X Feng, X Zhu, X Qian, Y Jie, F Ma, X Niu	<a href="#">A new transit network design study in consideration of transfer time composition*</a>	Planning
H Motieyan, M Mesgari	<a href="#">An Agent-Based Modeling approach for sustainable urban planning from land use and public transit perspectives*</a>	Planning
A Lieberoth, N Holm Jensen, T Bredahl	<a href="#">Selective psychological effects of nudging, gamification and rational information in converting commuters from cars to buses: A controlled field experiment*</a>	Planning
R Wei, X Liu, Y Ou, S Kiavash Fayyaz,	<a href="#">Optimizing the spatio-temporal deployment of battery electric bus system*</a>	Planning
D Wang, A Nayan, W Szeto	<a href="#">Optimal bus service design with limited stop services in a travel corridor*</a>	Planning
A Karner	<a href="#">Assessing public transit service equity using route-level accessibility measures and public data*</a>	Planning
Z Zhao, H Koutsopoulos, J Zhao	<a href="#">Individual mobility prediction using transit smart card data*</a>	Planning
L Eboli, C Forciniti, G Mazzulla	<a href="#">Spatial variation of the perceived transit service quality at rail stations*</a>	Planning
N Olikier, S Bekhor	<a href="#">A frequency based transit assignment model that considers online information*</a>	Planning
N Ghaemi, O Cats, R Goverde	<a href="#">Macroscopic multiple-station short-turning model in case of complete railway blockages*</a>	Planning
C Mulley, L Ma, G Clifton, M Tanner	<a href="#">Are Network Planning Guidelines Based on Equal Access Equitable?*</a>	Planning
J Casello, P Fard	<a href="#">Automated Tool for Geographic Information Systems That Supports Transit Network Design by Identifying Urban Activity Centers*</a>	Planning
N Zheng, T Dantsuji, P Wang, N Geroliminis	<a href="#">Macroscopic Approach for Optimizing Road Space Allocation of Bus Lanes in Multimodal Urban Networks Through Simulation Analysis*</a>	Planning
R Liu, Y Chen, J Wu, T Xu, L Gao, X Zhao	<a href="#">Mapping spatial accessibility of public transportation network in an urban area – A case study of Shanghai Hongqiao Transportation Hub*</a>	Planning
A Anund, C Fors, J Ihlström, G Kecklund	<a href="#">An on-road study of sleepiness in split shifts among city bus drivers*</a>	Planning
T Robenek, S Azadeh, Y Maknoon, M de Lapparent, M Bierlaire	<a href="#">Train timetable design under elastic passenger demand*</a>	Ridership
X Li, W Liu, H Yang	<a href="#">Traffic dynamics in a bi-modal transportation network with information provision and adaptive transit services*</a>	Ridership
D Nguyen-Phuoc, G Currie, C De Gruyter, W Young	<a href="#">Transit user reactions to major service withdrawal – A behavioural study*</a>	Ridership
D Nguyen-Phuoc, G Currie, C De Gruyter, W Young	<a href="#">How do public transport users adjust their travel behaviour if public transport ceases? A qualitative study*</a>	Ridership
L Fordham, E Grisé, A El-Genaidy	<a href="#">When I'm 64: Assessing Generational Differences in Public Transit Use of Seniors in Montreal, Quebec, Canada*</a>	Ridership
H Yang, Y Tang	<a href="#">Managing rail transit peak-hour congestion with a fare-reward scheme*</a>	Ridership
Y Ji, L Gao, D Chen, X Ma, R Zhang	<a href="#">How does a static measure influence passengers' boarding behaviors and bus dwell time? Simulated evidence from Nanjing bus stations*</a>	Ridership
R Guo, W Szeto	<a href="#">Day-to-day modal choice with a Pareto improvement or zero-sum revenue scheme*</a>	Ridership
C Toşa, H Sato, T Morikawa, T Miwa	<a href="#">Commuting behavior in emerging urban areas: Findings of a revealed-preferences and stated-intentions survey in Cluj-Napoca, Romania*</a>	Ridership
H Khoo, M Ahmed	<a href="#">Modeling of passengers' safety perception for buses on mountainous roads*</a>	Ridership
N Jia, L Li, S Ling, S Ma, W Yao	<a href="#">Influence of attitudinal and low-carbon factors on behavioral intention of commuting mode choice – A cross-city study in China*</a>	Ridership
P Gu, D He, Y Chen, P Christopher Zegras, Y Jiang	<a href="#">Transit-oriented development and air quality in Chinese cities: A city-level examination*</a>	Land use
X Huang, X Cao, J Yin, X Cao	<a href="#">Can metro transit reduce driving? Evidence from Xi'an, China*</a>	Land use
K Kühne, S Mitra, J Saphores	<a href="#">Without a ride in car country – A comparison of carless households in Germany and California*</a>	Land use
H Yu, J Jiao, E Houston, Z Peng	<a href="#">Evaluating the relationship between rail transit and industrial agglomeration: An observation from the Dallas-fort worth region, TX*</a>	Land use
A Nelson	<a href="#">Transit and Real Estate Rents*</a>	Land use



F Jones, J Sloboden	<a href="#">Jacksonville, Florida, Transportation Authority's Mobility Corridors: Improving Transit System Performance Through Enhanced Safety and Urban Design*</a>	Land use
S Akbari, M Mahmoud, A Shalaby, K Nurul Habib	<a href="#">Empirical models of transit demand with walk access/egress for planning transit oriented developments around commuter rail stations in the Greater Toronto and Hamilton Area*</a>	Land use
C Mulley, C Tsai, L Ma	<a href="#">Does residential property price benefit from light rail in Sydney?*</a>	Land use
H Iseki, R Jones	<a href="#">Analysis of firm location and relocation in relation to Maryland and Washington, DC metro rail stations*</a>	Land use
J Lee, H Miller	<a href="#">Measuring the impacts of new public transit services on space-time accessibility: An analysis of transit system redesign and new bus rapid transit in Columbus, Ohio, USA*</a>	Land use
J Dubé, D Legros, N Devaux	<a href="#">From bus to tramway: Is there an economic impact of substituting a rapid mass transit system? An empirical investigation accounting for anticipation effect*</a>	Land use
P Shang, R Li, Z Liu, L Yang, Y Wang	<a href="#">Equity-oriented skip-stopping schedule optimization in an oversaturated urban rail transit network*</a>	Operations
S Berrebi, S Crudden, K Watkins	<a href="#">Translating research to practice: Implementing real-time control on high-frequency transit routes*</a>	Operations
W Huang, B Shuai, Y Sun, Y Wang, E Antwi	<a href="#">Using entropy-TOPSIS method to evaluate urban rail transit system operation performance: The China case*</a>	Operations
Z Jiang, W Fan, W Liu, B Zhu, J Gu	<a href="#">Reinforcement learning approach for coordinated passenger inflow control of urban rail transit in peak hours*</a>	Operations
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J Shi, L Yang, J Yang, Z Gao	<a href="#">Service-oriented train timetabling with collaborative passenger flow control on an oversaturated metro line: An integer linear optimization approach*</a>	Operations
J Holmgren	<a href="#">The effects of using different output measures in efficiency analysis of public transport operations*</a>	Operations
S Zhang, H Lo	<a href="#">Two-way-looking self-equalizing headway control for bus operations*</a>	Operations
R Abenoza, D Ettema, Y Susilo	<a href="#">Do accessibility, vulnerability, opportunity, and travel characteristics have uniform impacts on the traveler's experience?*</a>	Infrastructure
P Love, J Zhou, J Matthews, M Lavender, T Morse	<a href="#">Managing rail infrastructure for a digital future: Future-proofing of asset information*</a>	Infrastructure
Y Farid, E Christofa, J Collura	<a href="#">An analytical model to conduct a person-based evaluation of transit preferential treatments on signalized arterials*</a>	Infrastructure
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P Durango-Cohen, E McKenzie	<a href="#">Trading off costs, environmental impact, and levels of service in the optimal design of transit bus fleets*</a>	Infrastructure
P Shen, Z Zhao, J Li, X Zhan	<a href="#">Development of a typical driving cycle for an intra-city hybrid electric bus with a fixed route*</a>	Infrastructure
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L Kieu, Y Ou, C Cai	<a href="#">Large-scale transit market segmentation with spatial-behavioural features*</a>	Technology
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J Ingvardson, O Nielsen, S Raveau, B Nielsen	<a href="#">Passenger arrival and waiting time distributions dependent on train service frequency and station characteristics: A smart card data analysis*</a>	Technology
J Gordon, H Koutsopoulos, N Wilson	<a href="#">Estimation of population origin–interchange–destination flows on multimodal transit networks*</a>	Technology
W Lee, S Sohn, J Heo	<a href="#">Utilizing mobile phone-based floating population data to measure the spatial accessibility to public transit*</a>	Technology
X Liu, Y Zhou, A Rau	<a href="#">Smart card data-centric replication of the multi-modal public transport system in Singapore*</a>	Technology
F Canitez, D Çelebi	<a href="#">Transaction cost economics of procurement models in public transport: An institutional perspective*</a>	Organisation
J Cowie	<a href="#">Long term productivity gains in the privatised British passenger rail industry – A case study of Malmquist productivity index measurements*</a>	Organisation
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G Currie, L Truong, C De Gruyter	<a href="#">Regulatory structures and their impact on the sustainability performance of public transport in world cities*</a>	Organisation
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M Börjesson, C Fung, S Proost, Z Yan	<a href="#">Do buses hinder cyclists or is it the other way around? Optimal bus fares, bus stops and cycling tolls*</a>	Economics
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R Palakurthy, L Tung, L Cryer, L Bell	<a href="#">Trip Generation Rates at Park-and-Ride Facilities with Regional Bus and Light Rail Service: A Supplement to ITE Trip Generation Data*</a>	Mode
H Bouscasse, I Joly, P Bonnel	<a href="#">How does environmental concern influence mode choice habits? A mediation analysis*</a>	Mode
S Nazari Adli, S Donovan	<a href="#">Right to the city: Applying justice tests to public transport investments*</a>	Policy
E Gris�, G Boisjoly, M Maguire, A El-Geneidy	<a href="#">Elevating access: Comparing accessibility to jobs by public transport for individuals with and without a physical disability</a>	Policy

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